UNIVERSITI TEKNOLOGI MARA | Institut Penyelidikan Solar

2-DAYS SHORT COURSE

DESIGN AND SIMULATION OF GRID CONNECTED PHOTOVOLTAIC (GCPV) SYSTEM

USING PVSYST

26- 27 FEB 2025

UiTM-MTDC Technopreneur Centre,
Universiti Teknologi MARA,
40450 Shah Alam, Selangor,
Malaysia.

8AM- 5PM

ABOUT COURSE

PVsyst is a popular software that is used to design, predict and optimize the energy output of a solar photovoltaic {PV) power plant. It allows the user to design, simulate, predict the energy output, analyse shadings, carry out financial analysis, probability reports and generate many types of outputs. This helps the PV designer in predicting the overall performance of the solar PV power plant.

This short course introduces the software and covers key topics from the beginner to intermediate levels.

COMPREHENSIVE COURSE INCLUDES

1. Introduction to a GCPV system
2. Setting-up design parameter
3. Setting and Meteo definitions
4. Orientation
5. Shading analysis
6. Dimensioning
7. Sizing
8. Create new components
9. Advanced simulation
10. File management
11. Simulation and reporting

SPEAKER

DR. AHMAD MALIKI OMAR

Master Trainer:
- GCPV Design Course (PTM; KeTTHA; SEDA, Malaysia)
- OGPV Design Course (SEDA, Malaysia)
- PV Chargeman & Wireman Course (SEDA, Malaysia)
- PV Installer Course (SEDA, Malaysia)

Expertise:
- Power Electronics converters
- Microcontroller applications
- Automation using PLC
- Grid Connected Photovoltaic (GCPV) System
- Off Grid Photovoltaic (OGPV) systems

LEARNING OUTCOME

- Knowledge and understanding about the software and GCPV system.
- Ability to set-up, design and execute the simulations.
- Generate proper results and understanding of their meanings.

RELEVANCE TO

- Engineer / Qualified Person
- Technician/ Chargeman / Wireman
- Contractor I Service Provider
- Project Manager/ Regulator
- Academia / Researchers

REQUIREMENT

- Own a laptop and PVsyst software V 7.0 or above.

FEE PER PARTICIPANT

RM1,500.00

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